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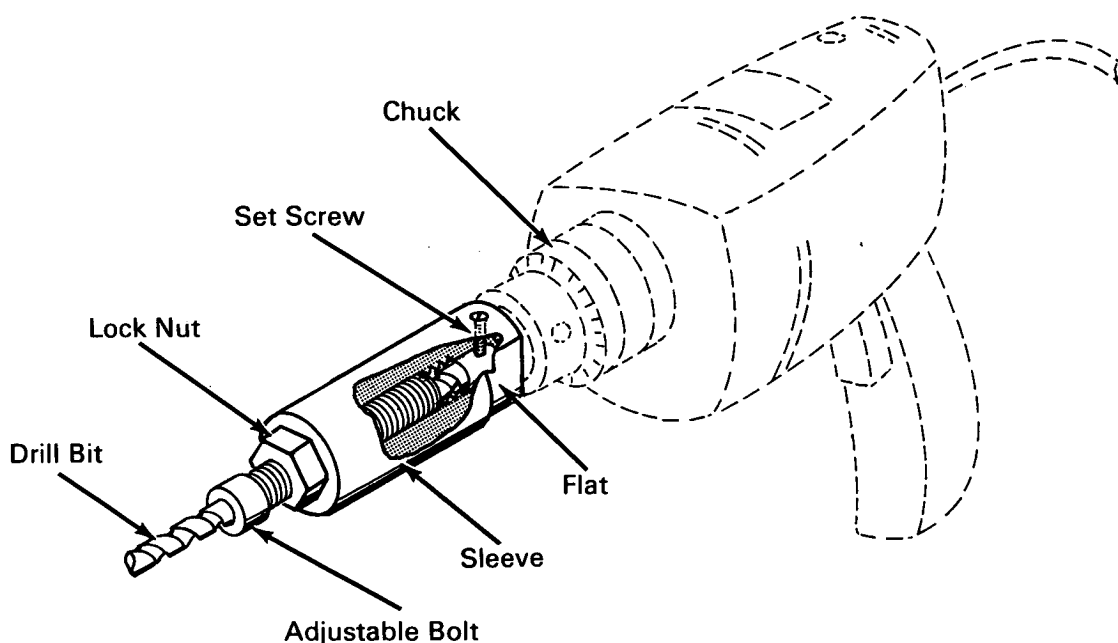
Brief 66-10123

# NASA TECH BRIEF



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## Hand Drill Adapter Limits Holes to Desired Depth



### The problem:

To provide a device that will accurately limit the depth of a hole bored with a hand drill.

### The solution:

An adjustable adapter than can be fastened to the shank of a drill bit.

### How it's done:

A cylindrical sleeve is secured to the chucked bit by means of a set screw tightened against the shank of the bit. A hollow, adjustable bolt having a squared-off

shoulder surrounds the drill bit, and is screwed into the end of the sleeve. The bolt may be adjusted to expose a selected length of the bit, and secured by tightening a locknut against the sleeve. The shoulder of the bolt limits the penetration of the bit into the material being drilled. Flats on the cylindrical sleeve permit the use of two wrenches for tightening and loosening the locknut.

### Notes:

1. The adapter may be made in appropriate sizes for bits of different diameter.

(continued overleaf)

2. Inquiries concerning this invention may be directed to:

Technology Utilization Officer  
Manned Spacecraft Center  
P.O. Box 1537  
Houston, Texas, 77001  
Reference: B66-10123

**Patent status:**

Inquiries about obtaining rights for the commercial use of this invention may be made to NASA, Code GP, Washington, D.C., 20546.

Source: North American Aviation, Inc.  
under contract to  
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(MSC-346)